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✓ Rejected
 = Allowed
 - (Through numeral)... Canceled
 .: Restricted

N Non-elected
 I Interference
 A Appeal
 O Objected

Claim	Final	Original	Date
1	1	1	05/2003
2			04/05/2003
3			
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Claim	Final	Original	Date
51	1	1	02/02/2003
52			
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62			
63			
64			
65			
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80			
81			
82			
83			
84			
85			
86			
87			
88		N	
89		L	
90			
91		N	
92		N	
93		N	
94			
95			
96			
97			
98			
99			
100			

Claim	Final	Original	Date
101	1	1	02/02/2003
102			
103			
104			
105			
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148			
149			
150			

CLAIMS ONLY

SERIAL NO. _____

FILING DATE _____

APPLICANT(S) _____

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
1						
2						
3						
4						
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45						
46						
47						
48						
49						
50						
TOTAL IND.			↓		↓	
TOTAL DEP.			←		←	
TOTAL CLAIMS			←		←	

*	IND.	DEP.	*	IND.	DEP.	*	IND.	DEP.
51								
52								
53								
54								
55								
56								
57								
58								
59								
60								
61								
62								
63								
64								
65								
66								
67								
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89								
90								
91								
92								
93								
94								
95								
96								
97								
98								
99								
100								
TOTAL IND.			↓		↓		↓	
TOTAL DEP.			←		←		←	
TOTAL CLAIMS			←		←		←	

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

CLAIMS ONLY

SERIAL NO.

FILING DATE

APPLICANT(S)

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
1						
2						
3						
4						
5						
6						
7						
8	1					
9						
10	1					
11		1				
12		1				
13						
14						
15						
16	i					
17		1				
18		1				
19		1				
20		1				
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37		1				
38		1				
39		1				
40		1				
41		1				
42		1				
43		1				
44		1				
45		1				
46		1				
47		1				
48		1				
49		1				
50		1				
TOTAL IND.	11		↓		↓	
TOTAL DEP.	29		↔		↔	
TOTAL CLAIMS	302					

	*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51		1				
52		1				
53		1				
54		1				
55		1				
56	1					
57		1				
58		1				
59		1				
60		1				
61		1				
62		1				
63	1					
64		1				
65		1				
66	2					
67	2					
68	2					
69	2					
70	2					
71	1					
72	1					
73	1					
74	1					
75		1				
76		1				
77		1				
78		1				
79		1				
80		2				
81		2				
82		2				
83		2				
84		2				
85		1				
86		2				
87		2				
88		2				
89		2				
90	(1)					
91	(1)					
92	(1)					
93	(1)					
94	(1)					
95		1				
96		1				
97		1				
98		1				
99		1				
100		1				
TOTAL IND.			↓		↓	
TOTAL DEP.			↔		↔	
TOTAL CLAIMS						

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

CLAIMS ONLY

SERIAL NO. _____ FILING DATE _____

APPLICANT(S) _____

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
101	/					
102	/					
3	/					
4	/					
5	/					
6	/					
7	/					
108	/					
9	/					
10	2					
11	9					
12	i					
13						
14						
15						
16						
17						
18						
19	(1)					
20	(1)					
21						
22	(1)					
23	(1)					
24	(1)					
25	(1)					
26	(1)					
27	(1)					
28	(1)					
29	(1)					
30	(1)					
31	(1)					
32	(1)					
33	(1)					
34	(1)					
35	(1)					
36	(1)					
37	2					
38	2					
39	2					
40	2					
41	2					
42						
43	(1)					
44	(1)					
45	(1)					
46	(1)					
47	(1)					
48	(1)					
49	(1)					
50	1					
TOTAL IND.			↓		↓	↓
TOTAL DEP.			↓		↓	↓
TOTAL CLAIMS						

	*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51	/					
52	/					
53	/					
54	/					
55	/					
56	/					
57	/					
158	2					
59	/					
60	/					
61	/					
62	/					
63	/					
64	/					
65	/					
66	(1)					
67	(1)					
68	(1)					
69	/					
170	(1)					
71	(1)					
72	(1)					
73	(1)					
74	(1)					
75	(1)					
76	(1)					
77	(1)					
78	(1)					
79	(1)					
80	(1)					
81	(1)					
82	(1)					
83	(1)					
84	(1)					
85	(1)					
86	(1)					
87	(1)					
88	(1)					
89	(1)					
90	(1)					
91	(1)					
92	(1)					
93	(1)					
94	(1)					
95	(1)					
96	(1)					
97	(1)					
98	(1)					
99	(1)					
100	(1)					
TOTAL IND.			↓		↓	↓
TOTAL DEP.			↓		↓	↓
TOTAL CLAIMS						

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

CLAIMS ONLY

SERIAL NO.

FILING DATE

APPLICANT(S)

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
1	2					
2	1					
3	1					
4						
5	1					
6	2					
7	2					
8	2					
9	1					
10	1					
11	1					
12	1					
13	1					
14	1					
15	1					
16	1					
17	1					
18	1					
19	1					
20	1					
21	1					
22	1					
23	1					
24	1					
25	1					
26	1					
27	1					
28	1					
29	1					
30	1					
31	1					
32	1					
33	1					
34	1					
35	1					
36	1					
37	i					
38	i					
39	/					
40	/					
41	i					
42	i					
43	/					
44	/					
45	/					
46	/					
47	/					
48	/					
49	i					
50	/					
TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

*	IND.	DEP.	*	IND.	DEP.	*	IND.	DEP.
51		/						
52		/						
53		/						
54		/						
55		/						
56		/						
57		4						
58		1						
59		1						
60		1						
61		1						
62		1						
63		1						
64		1						
65		1						
66		1						
67		1						
68		1						
69		1						
70		1						
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100								
TOTAL IND.								
TOTAL DEP.								
TOTAL CLAIMS								

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

CLAIMS ONLY

SERIAL NO. _____ FILING DATE _____

APPLICANT(S) _____

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
1	/					
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13	/					
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26	/					
27	/					
28	/					
29	5					
30	5					
31	/					
32	/					
33	/					
34	/					
35	/					
36	/					
37	/					
38	(1)					
39	(1)					
40	(1)					
41	(1)					
42	(1)					
43	(1)					
44	(1)					
45	(1)					
46	(1)					
47	(1)					
48	(1)					
49	(1)					
50	(1)					
TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

CLAIMS ONLY

SERIAL NO. _____ FILING DATE _____

APPLICANT(S) _____

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
1						
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12	(1)					
13	(1)					
14	(1)					
15	(1)					
16	(1)					
17	(1)					
18	(1)					
19	(1)					
20	(1)					
21	(1)					
22	(1)					
23	(1)					
24	(1)					
25	(1)					
26	(1)					
27	(1)					
28	(1)					
29	(1)					
30	(1)					
31	(1)					
32	(1)	4				
33	(1)					
34	(1)					
35	(1)					
36	(1)					
37	(1)					
38	(1)					
39	(1)					
40	(1)					
41	(1)					
42	(1)					
43	(1)					
44	(1)					
45	(1)					
46	(1)					
47	(1)					
48	(1)					
49	(1)					
50						
TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

	*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51						
52						
53						
54						
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57						
58		2				
59						
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TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

CLAIMS ONLY

SERIAL NO. _____ FILING DATE _____

APPLICANT(S) _____

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			*	*	*
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND.	DEP.	IND.
1							51	1		
2							52	1		
3							53	1		
4							54	1		
5							55	1		
6							56	1		
7							57	4		
8							58	4		
9							59	4		
10							60	4		
11							61	1		
12							62	4		
13							63	1		
14							64	1		
15							65	1		
16							66	1		
17							67	1		
18							68	1		
19							69	1		
20							70	1		
21							71			
22							72			
23							73			
24							74			
25							75			
26							76			
27							77			
28							78			
29							79			
30							80			
31							81			
32							82			
33							83			
34							84			
35							85			
36							86			
37							87			
38	1						88			
39		1					89			
40		1					90			
41	1						91			
42		1					92			
43		1					93			
44	1						94			
45	1						95			
46		1					96			
47							97			
48							98			
49	1						99			
50	1						100			
TOTAL IND.			↓			↓	TOTAL IND.	11	↓	
TOTAL DEP.			←		←	←	TOTAL DEP.	312	←	←
TOTAL CLAIMS							TOTAL CLAIMS	313		

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS